

**DUAL METALLOCENE CATALYST FOR PRODUCING
FILM RESINS WITH GOOD MACHINE DIRECTION (MD)
ELMENDORF TEAR STRENGTH**

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Abstract

10 This invention relates to catalyst compositions comprising a first
metallocene compound, a second metallocene compound, at least one chemically-
treated solid oxide, and at least one organoaluminum compound. This invention
also relates to methods to prepare and use the catalyst compositions and new
polyolefins. The compositions and methods disclosed herein provide ethylene
polymers and copolymers with lower MI, increased melt strength, and good MD
tear properties.

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